

ABSTRACT

A speaker change detection system performs speaker change detection on an input audio stream. The speaker change detection system includes a segmentation component [401], a phone classification decode component [402], and a speaker change detection component [403]. The segmentation component [401] segments the audio stream into segments [501-504] of predetermined length intervals. The segments may overlap one another. The phone classification decode component decodes the intervals to produce a set of phone classes corresponding to each of the intervals. The speaker change detection component detects locations of speaker changes in the audio stream based on a similarity value calculated at phone class boundaries.